USC §103 as being unpatentable over Lin et al. in view of Muraoka et al. and Yoshikawa et al. and further in view of Araujo et al.

Each of these rejections is respectfully traversed.

For example, independent Claim 11 recites forming a gate insulating film in contact with the semiconductor film from the surface of which the contaminating impurity has been removed. A similar feature is recited in independent Claims 11 and 15. This feature is not disclosed in any of the cited references.

The Examiner admits that <u>Lin</u> fails to teach this feature but cites <u>Muraoka</u>. <u>Muraoka</u> teaches that the treatment of a silicon wafer with an oxidizing acid results in the formation of a very thin oxide film on the surface of the wafer. The Examiner seems to regard the very thin oxide film as a gate insulating film. Applicants respectfully disagree as the very thin oxide film has a role of absorbing the metal impurity, but not a role as a gate insulating film (see e.g. col. 2, lns. 45-58).

Further, while <u>Muraoka</u> discloses that the surface of a silicon wafer comprises silicon and silicon oxide used as a gate oxide film of, for example, a transistor, <u>Muraoka</u> teaches that the gate oxide film is etched by etchant (see e.g. col. 4, lns. 55-56). Hence, <u>etching is performed after forming the gate oxide film</u>. In contrast, in the claimed invention, <u>spin-etching is performed before forming the gate insulating film</u>.

Applicants have previously advised the Examiner of this distinction. However, in the section "Response to Arguments" in the Final Rejection, the Examiner has not addressed this distinguishing feature of the claimed invention.

Applicants respectfully submit that this is a distinguishing feature of the claimed invention that is not disclosed or suggested by the cited references. If the Examiner disagrees, it is respectfully

¹ The Final Rejection, however, is very vague as to where the Examiner believes the claimed features are shown in Muraoka.

requested that he specifically identify where in the cited references this feature is shown.

With regard to Claims 23 and 27, these claims recite forming a gate insulating film and a semiconductor film over the gate wiring after the contaminating impurities are removed from the surface of the substrate. This feature is also not disclosed by the cited references.

In the Final Rejection, the Examiner contends that the gate electrodes are inherent in the formation of an electrode and one of the fundamental parts of a MOS system as allegedly disclosed by Muraoka (col. 1, ln. 53) and that Yoshikawa teaches that the electrode layer can be the gate wiring layer.

Applicants respectfully disagree with the Examiner's contention. Yoshikawa does not disclose or suggest a gate electrode. Even if a gate electrode was arguably inherent, none of the cited references teach the above claimed feature. Further, in the section "Response to Arguments" in the Final Rejection, the Examiner has not addressed this distinguishing feature of the claimed invention.

Applicants respectfully submit that this is a distinguishing feature of the claimed invention that is not disclosed or suggested by the cited references. If the Examiner disagrees, it is respectfully requested that he specifically identify where in the cited references this feature is shown.

Interview Request

The undersigned requests an interview with the Examiner to discuss each of the above features and where they are allegedly disclosed in the cited references. The undersigned will call the Examiner to set up the interview.

Conclusion

Hence, the method of the claimed invention is not disclosed or suggested by the cited

references.

Therefore, for at least the reasons discussed above, the claims of the present application are patentable over the cited references and should now be allowed.

Please charge Deposit Account No. 50-1039 for any fee for this submission.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

Date: August 17, 2004

Mark J. Murphy

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